

SWBAT: review amplitude and frequency

Jan 4-7:20 AM

Concept Sheet

~ 7 rows when we're done...

We'll fill in two terms (rows) today.

Concept	Meaning	Sym-bol	Units	Picture
<div>PITCH →</div> FREQUENCY	HOW MANY PER UNIT OF TIME $\text{FREQ} = \frac{\#}{\text{TIME}}$	$f$ $f = \frac{1}{T}$	hertz $\text{Hz} = \frac{1}{\text{sec}}$	
PERIOD	HOW MUCH TIME FOR ONE. $\text{PERIOD} = \frac{\text{TIME}}{\#}$	$T$ $T = \frac{1}{f}$	seconds sec.	
TRANSVERSE	WHEN THE MEDIUM VIBRATES ACROSS THE DIRECTION THE WAVE TRAVELS.			
LONGITUDINAL	WHEN THE MEDIUM VIBRATES ALONG THE DIRECTION THE WAVE TRAVELS.			
<div>INTENSITY →</div> AMPLITUDE	HOW FAR FROM THE MIDDLE.	$A$	meters m	
WAVELENGTH	HOW FAR FOR ONE "BACK & FORTH"	$\lambda$	meters m	
WAVESPEED	DISTANCE OF A WAVE TIME OF A WAVE	$v$	meters second m/s	

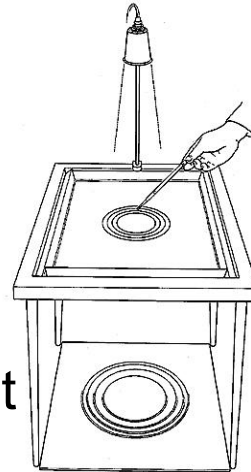
Feb 18-6:50 AM

# Welcome!!!

SECA Physics  
Thursday 28 April 2016

- \* Pick up:  
- packet  
- log in to a laptop  
== Don't need slip ==  
Daily 3 will come directly off of packet

H. Leslie Grebe




Opening Question:

Dipping my finger in a puddle: what would make more AMPLITUDE?


Centering

Sep 7-7:04 AM

## What is a ripple tank?

 <https://www.youtube.com/watch?v=-8a61G8Hvi0>

## What are we looking at in the simulator?

 <http://phet.colorado.edu/en/simulation/wave-interference>

## How far should you get?

Feb 27-7:58 AM

### Daily 3 Questions

- \* Every day except test/project days
- \* 3 Questions on the topics of the day
- \* Main source of daily points
- \* I am happy to give credit when I have no concerns about someone giving or getting help with the answers.

You can't get your points if you don't have your **NAME!!!**

Name	Period
1.	
2.	
3.	

Sep 9-7:32 AM